Oms 2014

OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION

MATERIAL SAFETY DATA SHEET (OSHA Form 20)

U.S. DEPARTMENT OF LABOR Occupational Safety and Health Administration

Form Approved OMB No. 44-R1387

MATERIAL SAFETY DATA

Required under USDL Safety and Health Regulations for Ship Repairing. Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

SECTION	
MONSANTO COMPANY ADDRESS (Number, Street, City, State, and TIP Code)	EMERGENCY TELEPHONE.NO. (314) 694-1000
ADDRESS (Number, Street, City, State and ZIP Code) 800 North Lindbergh Blvd., St. Louis CHEMICAL NAME AND SYNONYMS	Missouri 63166
Blend Phosphate Esters + Addi	DROL LD-4 (MCS 1852A) tives

SECTION	11 -	HAZA	RDOUS INGREDIENTS		
PAINTS, PRESERVATIVES, & SOLVENTS	*	TLV (Units)	ALLOYS AND METALLIC COATINGS	×	TLV
PIGMENTS			BASE METAL		10000
CATALYST		***************************************	ALLOYS 100000 100000 100000 1000000000000000		
VEHICLE .		· . •	METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					
HAZARDOUS MIXTURES	OF O	THER LIC	UIDS, SOLIDS, OR GASES	4	TLV (Units)
Not hazardous as de	fir	ed i	n 29 CFR Section		(ONB)
1915.2, which perta	ins	to	this data sheet.	-	-
		•		\dashv	
				\dashv	

vith decombosition.appr	ox 350c	SPECIFIC GRAVITY (H2O=1)	1.009
VAPOR PRESSURE (mm hg.) @ 72°F, II	6 mm	PERCENT, VOLATILE BY VOLUME (-)	N.A.
VAPOR DENSITY (AIR-1)	N.A.	EVAPORATION RATE	N.A.
solubility in water negligib	Le constant		1

320 F min Cleveland Open Cup FLAMMABLE LIMITS		Lei	Uel
Dry powder Co. Chemical foam, water fog			
None expected			
	300		
		· ************************************	
SUAL FIRE AND EXPLOSION HAZARDS NONe expected			

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(Continued on reverse side)

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SECTI	ON V - HEALTH HAZA	RD DATA	-
THRESHOLD LIMIT VALUE NOT es	stablished		
Impossible at ambient	t temperature.	Excessive h	igh
temperature may produ		vapors	
EMERGENCY AND FIRST A:D PROCEDURES	Unlikely to be		Remove
to fresh air.		:	

			SECTION	ON VI - R	EACTIVITY DATA	
STABILITY	UNS	UNSTABLE		CONDITION	ONDITIONS TO AVOID	
•	STA	9L E	×			
INCOMPATABIL	TY (Mater	reis to evoid)	No	ne		
HAZARDOUS DE	SOOT	TION PRODU	CO ₂	Phosph	orus Oxides	
HAZARDOUS		MAY OCCU	-		CONDITIONS TO AVOID	
POLYMERIZATION	WILL NOT OCCUR		×			

SECTION VII - SPILL OR LEAK PROCEDURES						
sters to be taken in case material is released on spilled Clean up as other common oily liquids, such as petroleum						
oil (absorbants, detergent and water clean)						
WASTE DISPOSAL METHOD Approved land fill, incineration or recycle for other						
appropriate use						

	SECTION VIII - SPECIAL	PROTECTION IN	NFORMATION	
RESPIRATORY PRO	sary due to low vape	or pressure	e at ambient ter	mp.
VENTILATION	If excessively high	n temp. or	if generated as	s mist or
•	Mechanical (General) Not necessary		OTHER	aerosa
PROTECTIVE GLOV	Not necessary	Not nec	essary except as	s good
OTHER PROTECTIV	e EQUIPMENT NONE	indust	rial practice	

PRECAUTIONS TO BE TAKEN IN MANQLING AND STORING Although no special precautions appear necessary, good industrial practice as to housekeeping, personal hygiene, other precautions avoidance of prolonged and repeated skin contact and splashing in eyes is indicated.

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While the information and recommendations set forth herein are believed to be accurate as of the date hereof, MONSANTO COMPANY MAKES NO WARRANTY WITH RESPECT THERETO AND DISCLAIMS ALL LIABILITY FROM RELIANCE THEREON.

Occupational Safety & Health Reporter .

SKYDROL 500 B-4 (MCS 1382)

TOXICITY

The rat acute oral LDso of MCS 1382 is 2.2 grams/kilogram. All rabbits receiving a continuous 24-hour dermal application of MCS 1382 survived the highest dosage tested (7.94 grams/kilogram). Thus, MCS 1382 is considered to be slightly toxic by ingestion in single doses and practically non-toxic by single dermal applications.

When 0.1 milliliter of undiluted MCS 1382 was placed into the conjunctival sac of the rabbit eye, a slight degree of irritation resulted. The average score of the 24-, 48- and 72-hour reading was 2.4 on a scale of 110.0. All eyes had regained a normal appearance 48 hours after they were dosed. A mild degree of irritation resulted when MCS 1382 was held in continuous 24-hour contact with intact and abraded rabbit skin. The Primary Irritation Index was 2.5 on a scale of 8.0.

Repeated insult patch testing (15 serial applications and a challenge) of 50 human volunteers with undiluted MCS 1382 produced no positive skin reactions. It was concluded that MCS 1382 was neither a primary skin irritant, nor a fatiguing agent, nor a skin sensitizer.

Rats were exposed to a stream of air which was passed through MCS 1382 and led directly into the experimental chamber. All 6 rats survived both the 6-hour exposure and the subsequent 14-day observation periods without observable effects.

HANDLING PRECAUTIONS

MCS 1382 has a negligible vapor pressure at room temperature and is not expected to present a significant vapor inhalation hazard under ambient conditions. However, precautions should be observed to avoid inhalation of increased vapor concentrations which may occur if MCS 1382 is used at elevated temperatures.

Repeated or prolonged skin contact with MCS 1382 should be avoided. In case of skin contact, wash affected area thoroughly with soap and water.

In case of eye contact, flush immediately with large volumes of water. If irritation persists, consult a physician.

MCS 1382 appears to possess no other acute toxicologic properties which would require special handling other than the good hygienic practices employed with any industrial chemical.

10/28/75 Y-74-32, SH-72-18

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